

**IN THE SPECIFICATION**

**Kindly replace the sixth paragraph [0006] in the instant patent application with the following:**

[0006] In one application, codebook correlation can be used to relate a particular [[events]] event such as problems or other exceptional events to observable events such as symptoms. One can in addition also relate any event exceptional or not to symptoms. In this case, the codebook table can have each row "S" corresponding to a symptom, and each column "P" corresponding to a problem. Using a deterministic approach, the intersection of each row and column can be designated, e.g., as "1" if the problem causes the symptom and "0" otherwise. Alternatively, probabilities can be used where the intersection of each row S and column P can be designated p, where p is the probability that P causes S.